OK

Depth 6	Contents 7	Reference to last Measurement 8
3.	42,756 -	
	46855 -	
	93710 -	
	23428 -	
	2343 -	
	30456 -	
	7138 -	
	930 -	
	28,826 -	

BRN°: 108 | 31-5-17.

M. A. R. 57 (Rule 116)
Measurement Book

No. B 352615

Serial No. 1st & final

Name of Work Improvements to Roads & drains at Kogilu Ayyappa enclave in ward No. 5 Byatarayanapura Sub division From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Name of contractor:	Sri. M. Satish					
	Job code NO:	005-17-000022					
	work order NO:	EE/H/BIP/WO/230/16-17				Dt. 15-3-17	
	Est. cost :	10.00 Lakhs.					
	1. Earth work excavation by manual means in ordinary soil an average horizontal throw upto 2mtr & lift upto 0.5 m, excavated surface leveled & sides neatly dressed the disposed earth to be leveled neatly after breaking of clods complete as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Qty vide page No. 352668	Of TMB			Total	68.75	cum
		@Rs	80/cum	—		— — Rs. 5500.00	
2.	Removing BS slab of drain & Stacking.						
	Qty vide page No. 352668 of	TMB			Total	647.96	Sqm
		@Rs	63/Sqm	—		— — Rs	40821.00
3.	Refixing Stone slabs of drains & pointing in C.M 1:3.						
	Qty Same as item No.2					647.96	Sqm
		@Rs	78/Sqm	—		— Rs.	50541.00
4.	providing granite slabs of selected quality roughly dressed & fixed in cement mortar 1:6 including fixing curing etc complete -do- 7.5 cms thick						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Qty vide page No. 35
5.	providing & laying in with OPC cement @ 18 metal machine mixed incleding cost of all m
	Qty vide page No. 3
6.	providing & constructi with CM 1:6 Stone h

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
	Total	68.75	cum
	cum —	— — Rs. 5500.00	
	Total	647.96	Sqm
	qm—	— — Rs 4082.00	
	g in	C.M 1:3.	
		647.96	Sqm
	m—	— Rs. 50541.00	
	ity	roughly dressed	
	cing	curing etc	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 352616

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Qty vide page NO. 352669	OF TMB			Total	114.34	Sqm ~~72040.~~
		@Rs 630/Sqm				— — Rs. 72034.00	
5.	providing & laying in position plain cement concrete of mix M 1:4:8 with OPC cement @ 180 Kgs with 40 mm & down size graded granite metal machine mixed concrete laid in layers not exceeding 15cms including cost of all materials etc complet as per specifications.						
	Qty vide page NO. 352670	OF TMB				1.90	cum
		@Rs 5100/cum				— Rs. 9690.00	
6.	providing & constructing granite, basalt size Stone masonry in foundation with CM 1:6 Stone hammered dressed in courses not less than 20cms						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	high, including cost of materials etc complete as per Specifications						
	culvert H/w	2	7.50	0.60	0.45	4.05	
	C.S.F.C. @ 31/05				Total	4.05	
					Qty to be taken @ Rs 4400 /cum	3.51 cum — — Rs. 15444.00	
7.	providing & constructing basalt size stone masonry in basement with CM 1:6 edges of stones dressed not less than 15cms bond stone at two m apart in each including cost of materials etc complete as per Specifications.						
	culvert H/w	2	7.50	0.50	0.45	3.38	
	C & FC @ 31/05				Total	3.38	
					Qty to be taken @ Rs 5250 /cum	2.93 cum — — Rs. 15383.00	

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25/4/17

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
9.	providing & laying with OPC cement @ metal, machine mix including cost of a culvert H/w (C vent
10.	providing Flush P

BOOK

	Depth 6	Contents 7	Reference to last Measurement 8
			plete as per specifications
	0.45	4.05	
	Total	4.05	
	ltd to	3.51	cum
	/cum	— —	Rs. 15444.00
			masonry in basement
			t less than 15cms
			ncluding cost of
			ns.
	0.45	3.38	
	Total	3.38	
	ltd to	2.93	cum
	cum	— —	Rs. 15383.00

Checked
25/4/17

M. A. R. 57 (Rule 116)
Measurement Book

No. B 352617

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
9.	providing & laying in position plain cement concrete of mix 1:3:6 with OPC cement @ 220 kgs with 20mm & down size graded granite metal, machine mixed concrete laid in layers not exceeding 15cms including cost of all materials etc complete as per specifications.						
	Culvert H/W	2	7.50	0.50	0.10	0.75	
		1	7.50	0.50	0.10	0.38	
					Total	1.13	
					qty ltd to	1.04	cum
					@ Rs 5550/cum	— —	Rs. 5772.00
10.	providing flush pointing to coursed stone masonry with CM 1:3						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	20mm deep, after raking joints to depth of 20mm nicely lining including cost of material etc complete as per specifications.						
	Culvert H/w	2	7.50		0.45	6.75	
					Total	6.75	
					Qty ltd to	6.50	Sqm
				@Rs	100/Sqm	—	— Rs. 650.00
8.	providing & removing, Shuttering, propping etc & removal of form work for sides & lintels etc not exceeding 1 Mtr in depth including cost of all materials complete as per specifications.						
	Qty vide page No. 35 & 70 of TMB					7.65	Sqm
				@Rs	260/Sqm	—	— Rs. 1989.00
12.	providing TMT Steel reinforcement for RCC work including cutting.						

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	Straightening, bendin anchoring to the a design cost of mater Qty vide page No.
11.	providing & laying i cement @ 320 kgs mixed exceeding 1 etc including attac materials etc com

OK

Depth 6	Contents 7	Reference to last Measurement 8
of	20mm nicely lining	
s per	specifications.	
45	6.75	
tal	6.75	
d to	6.50 Sqm	
—	— Rs. 650.00	
& removal of form		
f 1 Mtr in depth		
per	specifications.	
	7.65 Sqm	
n	— — Rs. 1989.00	
ork	including cutting.	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 352618

Serial No. ..... From..... To.....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	Straightening, bending, placing in position, tying with binding wire & anchoring to the adjoining members wherever necessary complete as per design cost of materials etc complete as per specifications. qty vide page No. 352670 of TMB @Rs 59400/qtl					0.21 qtl — — Rs. 12474.00	
11.	providing & laying in position plain cement concrete of mix M20 with OPC cement @ 320 kgs with 20mm down size graded granite metal machine mixed exceeding 15cms thick, vibrated for all works in foundation plinth etc including attached plasters, pillars, columns etc including cost of materials etc complete as per specifications.						

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	deck slab	1	7.50	1.80	0.23	3.11	
					Total	3.11	
					Qty ~~bd~~ to	2.47	cum
				@Rs	6340 /cum	— — Rs. 15660.00	
13.	providing, laying, spreading & graded stones ~~Alhandwork~~ aggregates to wet mix macadam specifications including premixing the material with water at omc, method of tipper to site laying in uniform layers with paver in subbase course on well prepared surface complete as per specifications.						
	Qty vide page NO. 352671 OF TMB					254.10	cum
				@Rs	1726 /cum	— — Rs. 438577.00	
					~~Alhandwork~~		
14.	providing & applying primer coat from 7.5 to 9.8 kg +					9.8 to 12.2 kg/	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	10 sqm for surfaces c granular base. cut ba diesel at 10 kg / 10 sqm including cost of mater Ayyappa enclave main ro

OOK

th	Depth 6	Contents 7	Reference to last Measurement 8
	0·23	3·11	
	Total	3·11	
	ted to	2·47 cum	
	0/cum	— — Rs. 15660·00	
	stones	aggregates to	
	ding premixing the material		
	to site laying in uniform		
	on well prepared surface		
		254·10 cum	
	26/cum	— — Rs. 43857·00	
	7·5 to 9·8 kg	9·8 to 12·2 kg	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 352619

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	10 sqm for surfaces of low & medium porosity granular base. cut bank M.C-70 or any other bitumen mixed with diesel at 10 kg / 10 sqm heated in bitumen boiler fitted with spray set including cost of material etc complete as per specification over prepared surface of Ayyappa enclave main road	1	30.0	$\frac{6.8+5.5}{2}$		184.50	
		1	30.00	$\frac{5.5+5.3}{2}$		162.00	
		1	30.00	$\frac{5.3+5.3}{2}$		159.00	
		1	30.00	$\frac{5.3+5.2}{2}$		157.50	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.0	$\frac{5.2+5.3}{2}$		157.50	
		1	30.0	$\frac{5.3+5.5}{2}$		162.00	
		1	30.0	$\frac{5.5+5.8}{2}$		169.50	
		1	21.0	$\frac{5.8+5.7}{2}$		120.75	
	approach	1	2.0	$\frac{11.0+8.0}{2}$		19.00	
					Total	1291.75	
				qty ltd to		1270.50	Sqm
			@ Rs	59/Sqm		— Rs. 74960.00	

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .
Date of commencement of work .....

Date	Full description, etc, of work
1	2
15	providing & laying S with 100-120 TPH batc tonnes per hour, prem & filler transporting & paver, level & align in all respects as p Ayyappa enclave main

C&F.C.
31/0

BOOK

dth	Depth 6	Contents 7	Reference to last Measurement 8
2	+5.3	157.50	
	2		
	+5.5	162.00	
	2		
	+5.8	169.50	
	2		
	+5.7	120.75	
	+8.0	19.00	
	Total	1291.75	
	led to	1270.50	Sqm
	Sqm	— Rs. 74960.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B

352620

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
15	providing & laying semi dense bituminous concrete with 100-120 TPH batch type HMP producing an average output of 75 tonnes per hour, premixed with bitumenous binder @ 4.5 % of mix & filler transporting the hot mix to work site laying with a hydrostatic paver, level & alignment, rolling with Smooth wheeled etc complete in all respects as per specifications.						25mm Thick
	Ayyappa enclave main	1	300	$\frac{6.8+5.5}{2}$	0.025	4.61	
		1	30.0	$\frac{5.5+5.3}{2}$	0.025	4.05	
		1	30.0	$\frac{5.3+5.3}{2}$	0.025	3.98	

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
		1	30.0	$\frac{5.3+5.2}{2}$	0.025	3.94	
		1	30.0	$\frac{5.2+5.3}{2}$	0.025	3.94	
		1	30.0	$\frac{5.3+5.5}{2}$	0.025	4.05	
		1	30.0	$\frac{5.5+5.8}{2}$	0.025	4.24	
		1	21.0	$\frac{5.8+5.7}{2}$	0025	3.02	
	approach	1	2.0	$\frac{11.0+8.0}{2}$	0.025	0.48	
					Total	32.29	
					Qty ltd to	31.76 cum	
			@ Rs	6400/cum	—	—	Rs. 203264.00

CFL.

31/5

Serial No. .....

Name of Work .....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work
1	2
16.	Lead for disposal of d mechanical means inclu Qty same as item no. 1

CFC

25/5/2017

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-

Contents 7	Reference to last Measurement 8
3.94	
3.94	
4.05	
4.24	
3.02	
0.48	
32.29	
31.76 cum	
— Rs. 203264.00	

M. A. R. 57 (Rule 116)
Measurement Book

No. B 352621

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
16.	Lead for disposal of debris shall be payable at carage rates by mechanical means including loading & unloading From 0.00 to 2.00 km Qty same as item No. 1				Total	68.75	
				@Rs	72/ cum	— — Rs. 4950.00	
						Total ~~967708.00~~ Rs. 96770/-	

CFC
25/5/2017
ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

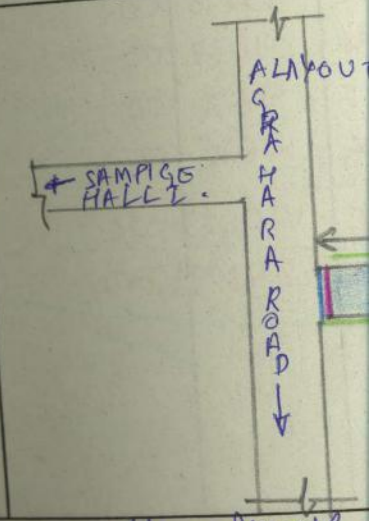
25/5/17.
ಸಹಾಯಕ ಅಭಿಯಂತರರು
ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	CERTIFICATE 1. The contractor has done the work satisfactorily. 2. The contractor has removed all the debris from work place. 3. There is no departmentle issues to the contractor. ಸಹಾಯಕ ಅಭಿಯಂತರರು ಬಿ.ಬಿ.ಎಂ.ಪಿ. ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ						

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರು
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency ..
Date of commencement of work .....

Date	Full description, etc, of work
1	2
	

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ions		Contents	Reference to last Measurement
Breadth 5	Depth 6	7	8

tisfactorily.
s from work place.
contractor.

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ಸಹಾಯಕ
-24

M. A. R. 57 (Rule 116)
Measurement Book

No. B 352622

Serial No. .....
Name of Work ..... From..... To.....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date 1	Full description, etc, of work 2	Dimensions Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
	ALIGNMENT OF HARA ROAD SAMPIGE HALLI. 231.00m INDEX: ASPHALT DRAIN CULVERT						

ಸಹಾಯಕ ಅಭಿಯಂತರರು

ಸಹಾಯಕ ಕಾರ್ಯಪಾಲಕ ಅಭಿಯಂತರರ
ಬ್ಯಾಟರಾಯನಪುರ ಉಪ ವಿಭಾಗ
ಬಿ.ಬಿ.ಎಂ.ಪಿ., ಬೆಂಗಳೂರು-24

BR No: 108 | 31.5.17.

MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
					Total Rs	9.67.708-00	
					YT -	9677-00	
					VAT -	93646-00	
					cess -	9677-00	
					CBF -	968-00	
					LR -	10645-00	
					Adj -	124613-00	
					cheque -	843095-00	

967708-00
124613-00
843095-00
Rs - Eight lakhs forty three thousand ninty five only
For Shivshankar & Co Chartered Accountants
17/06
19/6

Serial No. .....
Name of Work .....
Name of Contractor of nature of Agency .....
Date of commencement of work .....

Date	Full description, etc, of work
1	2